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IMMUNOGENIC COMPOSITION

Title (de)
IMMUNOGENE ZUSAMMENSETZUNG

Title (fr)
COMPOSITION IMMUNOGÈNE

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Abstract (en)
[origin: WO2007000322A1] The present application discloses an immunogenic composition comprising a Hib saccharide conjugate and at least two further bacterial saccharide conjugates wherein the Hib conjugate is present in a lower saccharide dose than the mean saccharide dose of all the at least two further bacterial saccharide conjugates.

IPC 8 full level
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WO 2007000322 A1 20070104; AP 2007004274 A0 20071231; AP 2436 A 20120831; AR 053935 A1 20070523; AR 056396 A1 20071010;
AR 056397 A1 20071010; AT E462444 T1 20100415; AT E516816 T1 20110815; AT E536884 T1 20111215; AU 2006263936 A1 20070104;
AU 2006263936 B2 20100520; AU 2006263944 A1 20070104; AU 2006263944 B2 20120301; AU 2006263963 A1 20070104;
AU 2006263963 B2 20100513; AU 2006263964 A1 20070104; AU 2006263964 B2 20100520; AU 2006263965 A1 20070104;
AU 2006263965 B2 20120913; AU 2010203115 A1 20100812; AU 2010203115 B2 20120315; AU 2010203115 C1 20130502;
AU 2010212417 A1 20100909; BE 2012C042 I2 20210719; BR PI0612654 A2 20121002; BR PI0612654 B1 20210504;
BR PI0612654 B8 20210525; BR PI0612655 A2 20101130; BR PI0612655 A8 20180130; BR PI0612655 B1 20210615;
BR PI0612656 A2 20101130; BR PI0612656 A8 20180123; BR PI0612656 B1 20210908; BR PI0612669 A2 20101130;
BR PI0612669 B1 20190813; BR PI0612669 B8 20210525; BR PI0612670 A2 20101130; BR PI0612670 B1 20200428;
BR PI0612670 B8 20210525; CA 2611960 A1 20070104; CA 2611960 C 20150505; CA 2611964 A1 20070104; CA 2611964 C 20161108;
CA 2612957 A1 20070104; CA 2612957 C 20160719; CA 2612963 A1 20070104; CA 2612963 C 20161018; CA 2612980 A1 20070104;
CA 2612980 C 20190115; CN 102218138 A 20111019; CN 102526723 A 20120704; CN 102526723 B 20170707; CN 103083657 A 20130508;
CN 103083657 B 20160608; CY 1109996 T1 20140910; CY 1111827 T1 20151007; CY 1112698 T1 20160210; CY 1118646 T1 20170712;
CY 2012027 I1 20151007; CY 2012027 I2 20151007; DE 602006013313 D1 20100512; DK 1896061 T3 20190826; DK 1896062 T3 20100628;
DK 1896063 T3 20120319; DK 1896065 T3 20110829; DK 1896065 T4 20141020; DK 2283857 T3 20191028; DK 2351578 T3 20170424;
DK 2878307 T3 20191007; EA 012214 B1 20090828; EA 012506 B1 20091030; EA 012528 B1 20091030; EA 013374 B1 20100430;
EA 200702574 A1 20080630; EA 200702575 A1 20080630; EA 200702576 A1 20080630; EA 200702577 A1 20080630;
EP 1896061 A2 20080312; EP 1896061 B1 20190612; EP 1896062 A1 20080312; EP 1896062 B1 20100331; EP 1896063 A1 20080312;
EP 1896063 B1 20111214; EP 1896063 B2 20160302; EP 1896064 A2 20080312; EP 1896065 A2 20080312; EP 1896065 B1 20110720;
EP 1896065 B2 20140903; EP 1896066 A2 20080312; EP 1896066 B1 20211027; EP 1896066 B8 20220119; EP 2201961 A1 20100630;
EP 2201961 B1 20180124; EP 2283857 A1 20110216; EP 2283857 B1 20190724; EP 2351578 A1 20110803; EP 2351578 B1 20170118;
EP 2878307 A1 20150603; EP 2878307 B1 20190724; EP 3009146 A1 20160420; EP 3009146 B1 20211020; ES 2340711 T3 20100608;
ES 2377075 T3 20120322; ES 2377075 T5 20160429; ES 2621780 T3 20170705; ES 2662651 T3 20180409; ES 2741529 T3 20200211;
ES 2747025 T3 20200309; ES 2750243 T3 20200325; ES 2898451 T3 20220307; ES 2901378 T3 20220322; FR 22C1008 I1 20220429;
FR 22C1008 I2 20240119; HK 1114011 A1 20081024; HK 1116413 A1 20081224; HK 1116414 A1 20081224; HK 1206587 A1 20160115;
HR P20100211 T1 20100531; HR P20110567 T1 20110930; HR P20110567 T4 20150116; HR P20120102 T1 20120229;
HR P20170457 T1 20170519; HU E031380 T2 20170728; HU E045482 T2 20191230; HU E046905 T2 20200330; HU E047211 T2 20200428;
HU E056842 T2 20220328; HU S000497 I2 20210329; HU S1200023 I1 20210329; HU S2200002 I1 20221228; IL 187924 A0 20080320;

IL 187924 A 20111130; IL 188045 A0 20080320; IL 188046 A0 20080320; IL 188046 A 20120329; IL 188072 A0 20080320;
IL 188072 A 20170731; IL 213718 A0 20110731; IL 213718 A 20130731; IL 213795 A0 20110731; IL 213795 A 20130530;
IL 214657 A0 20110927; IL 222346 A 20150730; JP 2008543904 A 20081204; JP 2008543905 A 20081204; JP 2008543907 A 20081204;
JP 2008543908 A 20081204; JP 2008543909 A 20081204; JP 2013018798 A 20130131; JP 2013107913 A 20130606;
JP 2013209395 A 20131010; JP 2015134829 A 20150727; JP 5037503 B2 20120926; JP 5280199 B2 20130904; JP 5297800 B2 20130925;
JP 5718960 B2 20150513; JP 5731737 B2 20150610; JP 5769688 B2 20150826; JP 5965512 B2 20160803; KR 101321056 B1 20131030;
KR 101351870 B1 20140217; KR 101351873 B1 20140217; KR 101359953 B1 20140221; KR 101408113 B1 20140616;
KR 101532068 B1 20150629; KR 20080018216 A 20080227; KR 20080018226 A 20080227; KR 20080024222 A 20080317;
KR 20080025184 A 20080319; KR 20080030577 A 20080404; KR 20130086087 A 20130730; KR 20130122810 A 20131108;
LT 2351578 T 20170410; LU 92085 I2 20121219; LU 92085 I9 20190104; MA 29569 B1 20080602; MA 29602 B1 20080701;
MA 29603 B1 20080701; MA 29993 B1 20081201; MX 2007016236 A 20080307; MX 2007016237 A 20080307; MX 2007016402 A 20080307;
MX 2007016403 A 20080307; MX 2007016405 A 20080307; MY 147490 A 20121214; MY 147783 A 20130131; MY 148110 A 20130228;
NL 300549 I2 20170103; NO 20076302 L 20080326; NO 20076343 L 20080325; NO 20076350 L 20080326; NO 20076363 L 20080326;
NO 342815 B1 20180813; NO 344452 B1 20191209; NO 345305 B1 20201207; NO 345422 B1 20210125; NZ 564370 A 20111028;
NZ 564371 A 20100528; NZ 564605 A 20110128; NZ 564606 A 20101029; NZ 564607 A 20110630; NZ 590204 A 20120224;
PE 20070123 A1 20070208; PE 20070163 A1 20070301; PE 20070499 A1 20070521; PE 20110072 A1 20110204; PE 20110096 A1 20110307;
PE 20142165 A1 20150109; PL 1896061 T3 20200228; PL 1896062 T3 20100831; PL 1896063 T3 20120430; PL 1896065 T3 20111230;
PL 1896065 T5 20141231; PL 2283857 T3 20200228; PL 2351578 T3 20170731; PL 2878307 T3 20200131; PL 3009146 T3 20220207;
PT 1896061 T 20190801; PT 1896062 E 20100517; PT 1896063 E 20120213; PT 1896065 E 20110831; PT 2283857 T 20191024;
PT 2351578 T 20170407; PT 2878307 T 20191024; PT 3009146 T 20211130; SI 1896061 T1 20191030; SI 1896062 T1 20100730;
SI 1896063 T1 20120330; SI 1896065 T1 20111028; SI 1896065 T2 20141231; SI 2283857 T1 20191129; SI 2351578 T1 20170531;
SI 2878307 T1 20191129; SI 3009146 T1 20220228; TW 200730187 A 20070816; TW 200738259 A 20071016; TW 201336507 A 20130916;
TW 201414490 A 20140416; TW 1407970 B 20130911; TW I422386 B 20140111; TW I477283 B 20150321; TW I537001 B 20160611;
UA 95237 C2 20110725; UA 95238 C2 20110725; US 10166287 B2 20190101; US 10245317 B2 20190402; US 11241495 B2 20220208;
US 2008193476 A1 20080814; US 2008199490 A1 20080821; US 2009041802 A1 20090212; US 2009136541 A1 20090528;
US 2009252759 A1 20091008; US 2010215686 A1 20100826; US 2013004532 A1 20130103; US 2013171188 A1 20130704;
US 2015044253 A1 20150212; US 2017065714 A1 20170309; US 2018064806 A1 20180308; US 2019298822 A1 20191003;
US 2020000911 A1 20200102; US 8329184 B2 20121211; US 8398983 B2 20130319; US 8431136 B2 20130430; US 8846049 B2 20140930;
US 8883163 B2 20141111; US 9358279 B2 20160607; US 9486515 B2 20161108; US 9789179 B2 20171017; US 9931397 B2 20180403;
WO 2007000314 A2 20070104; WO 2007000314 A3 20070531; WO 2007000327 A1 20070104; WO 2007000341 A2 20070104;
WO 2007000341 A3 20070531; WO 2007000342 A2 20070104; WO 2007000342 A3 20070531; WO 2007000342 A8 20080710;
WO 2007000343 A2 20070104; WO 2007000343 A3 20070531

DOCDDB simple family (application)

EP 2006006210 W 20060623; AP 2007004274 A 20060623; AR P060102723 A 20060623; AR P060102724 A 20060623;
AR P060102725 A 20060623; AT 06754596 T 20060623; AT 06754599 T 20060623; AT 06754611 T 20060623; AU 2006263936 A 20060623;
AU 2006263944 A 20060623; AU 2006263963 A 20060623; AU 2006263964 A 20060623; AU 2006263965 A 20060623;
AU 2010203115 A 20100721; AU 2010212417 A 20100818; BE 2012C042 C 20121018; BR PI0612654 A 20060623; BR PI0612655 A 20060623;
BR PI0612656 A 20060623; BR PI0612669 A 20060623; BR PI0612670 A 20060623; CA 2611960 A 20060623; CA 2611964 A 20060623;
CA 2612957 A 20060623; CA 2612963 A 20060623; CA 2612980 A 20060623; CN 201110143861 A 20060623; CN 201210028358 A 20060623;
CN 201310023297 A 20060623; CY 101100387 T 20100430; CY 111100883 T 20110915; CY 121100175 T 20120221;
CY 171100234 T 20170221; CY 2012027 C 20121016; DE 602006013313 T 20060623; DK 06754582 T 20060623; DK 06754596 T 20060623;
DK 06754599 T 20060623; DK 06754611 T 20060623; DK 10177832 T 20060623; DK 10179820 T 20060623; DK 14198052 T 20060623;
EA 200702574 A 20060623; EA 200702575 A 20060623; EA 200702576 A 20060623; EA 200702577 A 20060623; EP 06754582 A 20060623;
EP 06754596 A 20060623; EP 06754599 A 20060623; EP 06754610 A 20060623; EP 06754611 A 20060623; EP 06762248 A 20060623;
EP 10158046 A 20060623; EP 10177832 A 20060623; EP 10179820 A 20060623; EP 14198052 A 20060623; EP 15189397 A 20060623;
EP 2006006188 W 20060623; EP 2006006220 W 20060623; EP 2006006268 W 20060623; EP 2006006269 W 20060623;
EP 2006006270 W 20060623; ES 06754582 T 20060623; ES 06754596 T 20060623; ES 06754599 T 20060623; ES 06762248 T 20060623;
ES 10158046 T 20060623; ES 10177832 T 20060623; ES 10179820 T 20060623; ES 14198052 T 20060623; ES 15189397 T 20060623;
FR 22C1008 C 20220221; HK 08104083 A 20080410; HK 08106653 A 20080617; HK 08106654 A 20080617; HK 15105322 A 20080612;
HR P20100211 T 20100414; HR P20110567 T 20110729; HR P20120102 T 20120201; HR P20170457 T 20170320; HU E06754582 A 20060623;
HU E10177832 A 20060623; HU E10179820 A 20060623; HU E14198052 A 20060623; HU E15189397 A 20060623; HU S1200023 C 20121019;
HU S2200002 C 20220113; IL 18792407 A 20071206; IL 18804507 A 20071211; IL 18804607 A 20071211; IL 18807207 A 20071212;
IL 21371811 A 20110622; IL 21379511 A 20110628; IL 21465711 A 20110815; IL 22234612 A 20121011; JP 2008517436 A 20060623;
JP 2008517437 A 20060623; JP 2008517440 A 20060623; JP 2008517441 A 20060623; JP 2008517442 A 20060623;
JP 2012241817 A 20121101; JP 2013050333 A 20130313; JP 2013102249 A 20130514; JP 2015091394 A 20150428;
KR 20077030681 A 20060623; KR 20077030683 A 20060623; KR 20077031058 A 20060623; KR 20087002217 A 20060623;
KR 20087002312 A 20060623; KR 20137018446 A 20060623; KR 20137028209 A 20060623; LT 10179820 T 20060623; LU 92085 C 20121019;
MA 30511 A 20071226; MA 30512 A 20071226; MA 30521 A 20071227; MA 30522 A 20071227; MX 2007016236 A 20060623;
MX 2007016237 A 20060623; MX 2007016402 A 20060623; MX 2007016403 A 20060623; MX 2007016405 A 20060623;
MY PI20063023 A 20060626; MY PI20063024 A 20060626; MY PI20063025 A 20060626; NL 300549 C 20121019; NO 20076302 A 20071207;
NO 20076343 A 20071211; NO 20076350 A 20071211; NO 20076363 A 20071212; NZ 56437006 A 20060623; NZ 56437106 A 20060623;
NZ 56460506 A 20060623; NZ 56460606 A 20060623; NZ 56460706 A 20060623; NZ 59020406 A 20060623; PE 2006000718 A 20060623;
PE 2006000719 A 20060623; PE 2006000720 A 20060623; PE 2010000444 A 20060623; PE 2010000450 A 20060623;
PE 2014001334 A 20060623; PL 06754582 T 20060623; PL 06754596 T 20060623; PL 06754599 T 20060623; PL 06754611 T 20060623;
PL 10177832 T 20060623; PL 10179820 T 20060623; PL 14198052 T 20060623; PL 15189397 T 20060623; PT 06754582 T 20060623;
PT 06754596 T 20060623; PT 06754599 T 20060623; PT 06754611 T 20060623; PT 10177832 T 20060623; PT 10179820 T 20060623;
PT 14198052 T 20060623; PT 15189397 T 20060623; SI 200630681 T 20060623; SI 200631109 T 20060623; SI 200631247 T 20060623;
SI 200632159 A 20060623; SI 200632346 T 20060623; SI 200632352 T 20060623; SI 200632356 T 20060623; SI 200632415 T 20060623;
TW 102118476 A 20060626; TW 102148542 A 20060626; TW 95122969 A 20060626; TW 95122979 A 20060626; TW 95122993 A 20060626;
UA A200714084 A 20060623; UA A200714086 A 20060623; US 201213457891 A 20120427; US 201313778633 A 20130227;
US 201414525883 A 20141028; US 201615265597 A 20160914; US 201715691440 A 20170830; US 201816179476 A 20181102;
US 201916268287 A 20190205; US 91756906 A 20060623; US 91758006 A 20060623; US 91761006 A 20060623; US 91770206 A 20060623;
US 91770906 A 20060623; US 91772606 A 20060623